

Title (en)

Rotary atomizer for saving rinsing agent

Title (de)

Spülmittelsparender Rotationszerstäuber

Title (fr)

Pulvérisateur rotatif pour économiser l'agent de rinçage

Publication

**EP 1685909 B1 20090826 (DE)**

Application

**EP 06001509 A 20060125**

Priority

DE 102005004081 A 20050128

Abstract (en)

[origin: EP1685909A1] Rotational sprayer has a symmetrical bell-shaped body (1) with nose part (2), cover part (3) with divergent surface (8) and steering gas ring (7) with at least one steering gas nozzle (13,13'). The divergent cover has a shoulder (11) between nose and cover part, which extends ring-like around the nose part and denotes an angle of at least 90[deg] of the exterior surface to the spray device. The nozzle is arranged so that its spray (14) hits the cover part inside the shoulder.

IPC 8 full level

**B05B 3/10** (2006.01); **B05B 7/08** (2006.01); **B05B 15/02** (2006.01)

CPC (source: EP)

**B05B 3/1014** (2013.01); **B05B 3/1092** (2013.01); **B05B 5/0426** (2013.01); **B05B 15/55** (2018.01)

Cited by

CN107961910A; FR2917309A1; US9314806B2; WO2009010646A1; WO2015073143A1

Designated contracting state (EPC)

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**EP 1685909 A1 20060802**; **EP 1685909 B1 20090826**; AT E440668 T1 20090915; DE 102005004081 A1 20060803; DE 502006004623 D1 20091008; ES 2331374 T3 20091230; PT 1685909 E 20091113

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**EP 06001509 A 20060125**; AT 06001509 T 20060125; DE 102005004081 A 20050128; DE 502006004623 T 20060125; ES 06001509 T 20060125; PT 06001509 T 20060125